

SANYO Semiconductors DATA SHEET

SVC707 — Silicon Diffused Junction Type FM Receiver Electronic Tuning Applications

Features

- High capacitance ratio.
- Low voltage drive.

Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	VR		15	V
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta= $25^{\circ}C$

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Offic
Breakdown Voltage	V(BR)R	I _R =10μA	15			V
Reverse Current	IR	V _R =15V			20	nA
Interterminal Capacitance	C _{1.0V}	V _R =1.0V, f=1MHz*	18.58		21.26	pF
	C4.0V	VR=4.0V, f=1MHz	3.61		4.73	pF
Capacitance Ratio	CR	C _{1.0V} / C _{4.0V}		4.8		
Series Resistance	rs	V _R =1.0V, f=100MHz		1.6		Ω
Matching Tolerance	∆Cm	(Cmax-Cmin) / CminX100			3.0	%

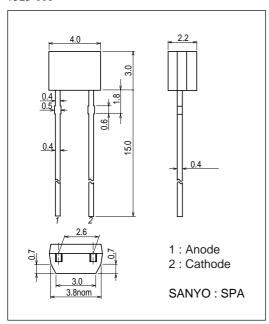
*: 1MHz signal: 20mVrms

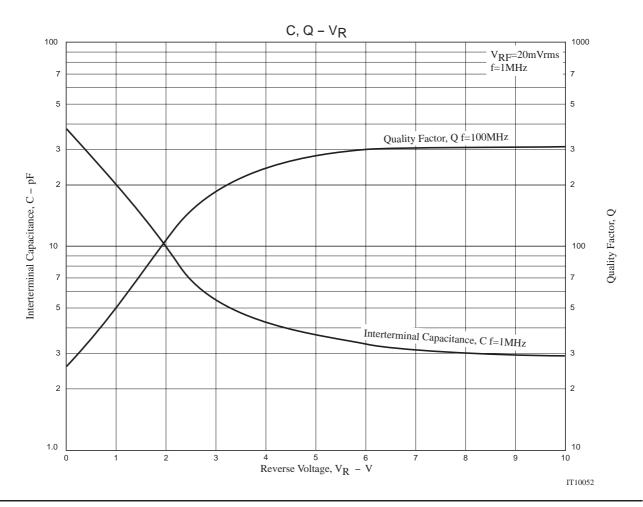
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Package Dimensions

unit : mm 7523-001





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